

Claims after AmendmentIN THE CLAIMS:Please amend claims 1 and 2 as follows:

1. (Amended) Overvoltage- An over-voltage protection device, applicable in particular to the low voltage- suitable for protecting a mains, the device comprising,:

between the two lines (1, 2) of the mains,

a gas-discharge arrestor (3),

a varistor (4) and a thermal-fuse element (5) tasked with ensuring the arranged to ensure a thermal disconnection of the over-voltage protection device from the mains, characterized in that

said gas-discharge arrestor, said varistor, and said thermal-fuse element being mounted in series with each between two lines of the mains,

wherein the over-voltage protection device it includes, in parallel with the varistor (4), a resistor (7) sized so as to cause causing, after the a short-circuiting of the gas-discharge arrestor (3), the a heating of the thermal-fuse element (5) so as to which triggers the thermal disconnection of the over-voltage protection device from the mains.

2. (Amended) Overvoltage-The over-voltage protection device according to claim 1, wherein said mains is a applicable to the low-voltage mains in a wide having a voltage of use within a range of voltages; bounded by a minimum voltage of use and a maximum voltage of use, characterized in that

wherein the varistor (4) is defined sized so as to extinguish the gas-discharge arrestor (3) up to the maximum voltage of use, and in that

wherein the resistor (7) is defined sized so as to trigger the thermal disconnection of the over-voltage protection device at the minimum voltage of use.